

# STACKLYTE STA 1'x4' 1 LAMP

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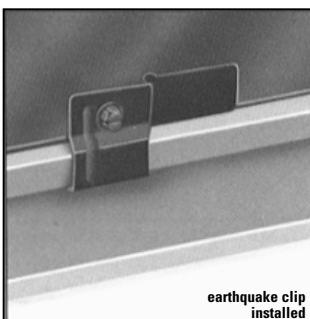
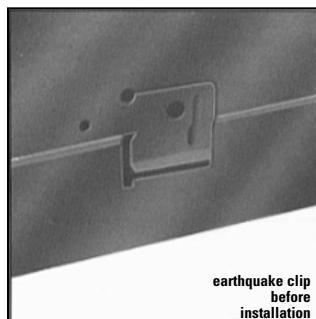
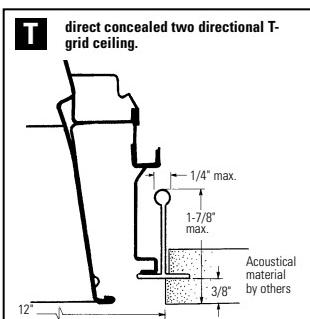
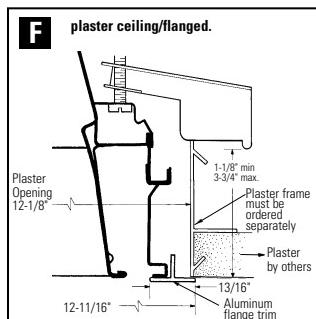
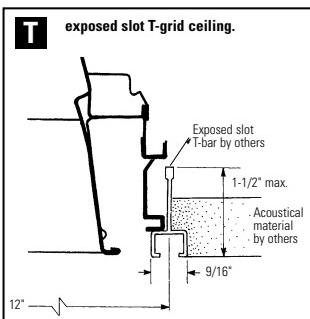
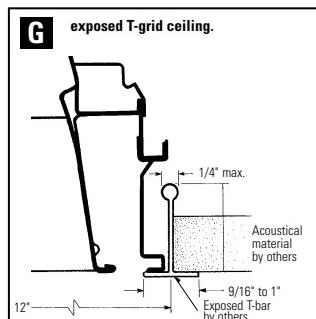
1'x4' RECESSED FLUORESCENT, 3" DEEP, 8 OR 12 CELL PARABOLIC LOUVER  
STATIC OR AIR SUPPLY/RETURN, IES RP1 FOR NORMAL VDT USE

## Features

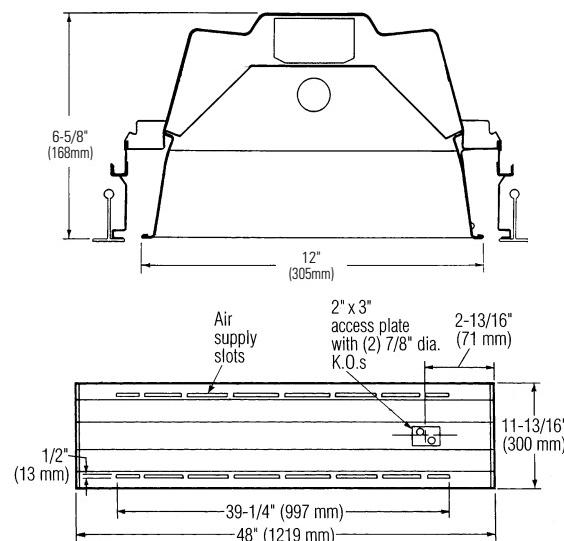
- Excellent for lighting library bookshelves, 97.5% of fixtures distribution is in the 0°-60° zone.
- Meets IES RP1 for lighting VDT areas with normal use.
- 73.3% efficient (T8 - 8 cell).
- Semi-specular low iridescence pre-anodized louver.
- Vertical grain on louver eliminates reflected lamp image on cross baffle.
- Louver frame with integral positive light stop.
- Spring loaded latches (self centering).
- Louver has protective dust guard.
- Black housing exterior for cooler ballast operating temperature.
- Turned-in edges for safe handling.
- Built-in earthquake clip (pat. no. 5,072,344).
- UL-Listed twin knockout access plate.
- Air closure strips (optional).
- Construction to meet NYC Code or Chicago Plenum is available.



## MOUNTING METHODS



## DIMENSIONS



## Job Information

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

## Type:

**LIGHTOLIER** a Genlyte Thomas Company  
www.lightolier.com  
Technical Information: (978) 657-7600 • Fax (978) 658-0595  
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710  
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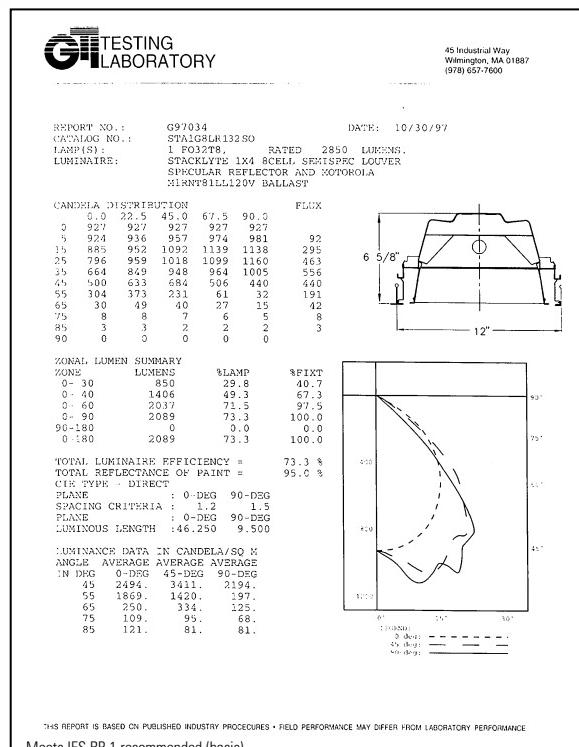
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## 1'x4' RECESSED FLUORESCENT, 3" DEEP, 8 OR 12 CELL PARABOLIC LOUVER STATIC OR AIR SUPPLY/RETURN, IES RP1 FOR NORMAL VDT USE

### PHOTOMETRY

MODEL NO. STA1G8LR132120SO



LER = FL - 60.2 IW - 30.4 BF - 0.88  
Comparative yearly lighting energy cost per 1000 lumens = \$3.97

### coefficients of utilization — zonal cavity method

	RF	20			20			20		
	RC	80			50			30		
RW	70	50	30		50	30	10	50	30	10
0	87	87	87		81	81	81	78	78	78
1	82	80	77		75	73	72	72	71	70
2	77	72	68		68	65	63	66	64	62
3	71	65	61		62	59	56	60	57	55
4	66	59	54		57	52	49	55	51	49
5	62	54	48		52	47	44	50	46	43
6	57	49	44		47	43	39	46	42	39
7	54	45	40		43	39	35	43	38	35
8	50	41	36		40	35	32	39	35	32
9	47	38	33		37	32	29	36	32	29
10	44	35	30		34	30	27	34	30	27

### VERTICAL FOOTCANDLES ON BOOK SHELVES

Ceiling	1'	2'	3'	4'
1.00	48.3	48.4	48.5	48.4
2.00	36.4	36.0	36.2	36.3
3.00	28.3	28.3	28.3	28.3
4.00	23.6	23.5	23.5	23.5
5.00	21.0	20.9	21.0	20.9
6.00	18.3	18.3	18.3	18.3
7.00	16.4	16.4	16.4	16.4
8.00	15.6	15.6	15.6	15.6
9.00	14.7	14.6	14.6	14.6
10.00	13.5	13.5	13.5	13.5
11.00	11.9	11.9	11.9	11.9
12.00	9.9	9.8	9.8	9.8

Floor	0'	1'	2'	3'	4'

Book shelf aisle width, 36"

### ORDERING INFORMATION

Explanation of Catalog Number. Example: STA1G8LR132120SOGLR

<input type="checkbox"/>	<b>ST</b>	<input type="checkbox"/>	<b>1</b>	<input type="checkbox"/>	<b>R</b>	<b>1</b>	<input type="checkbox"/>	<b>VOLTAGE:</b>	<b>BALLAST TYPE:</b>	<b>OPTIONS:</b>
BLANK = Standard N = NYC Code	BODY STYLE: A=Air Handling S=Static	FIXTURE WIDTH	CEILING TYPE: G=Grid (lay-in T bar) F=Flanged (overlap)	LOUVER FINISH: L=Low Z=Iridescence S=Semi-specular (standard)	NUMBER OF CELLS: 8=1 row of 8 cells 12=1 row of 12 cells	REFLECTOR: R=Specular P=Low 95% Reflective Iridescence specular	LAMP/FIXTURE LENGTH: 32=8' 34=11' (Nominal 48")	120 or 277	1 Lamp Mag. T12 1Lamp Elec. T8 LOL Dimming *Instant Start Standard	Add appropriate suffix to catalog no, ie: (GLR)
STACKLYTE: 3" Deep Precision Contoured Pre-anodized Aluminum Louver										

### OPTIONS & ACCESSORIES

- ACCESS PLATE:** Top Wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order Catalog Number: **ACP CSP**.
- ELECTRICAL WIRING OPTIONS:** Consult factory.
- FUSING:** Internal fast-blow fusing. SUFFIX: **GLR**. Internal slow-blow fusing. SUFFIX: **GMF**.
- RADIO INTERFERENCE FILTER:** 120 or 277 volt, 50 or 60 Hz. One per fixture standard. SUFFIX: **RF**.
- SPLAY TRIM:** For T ceiling type only. SUFFIX: **CTZ14 S2 SPLAY TRIM**.
- PLASTER FRAMES:** F type fixtures do not include plaster frames. For individual or continuous mounting, specify **PF14** universal frame per fixture.
- AIR CLOSURE STRIP:** SUFFIX **ACS4** (factory installed).
- DRYWALL KIT:** Order Catalog Number: **FK91X4**. Request Folio OA30-10.
- CHICAGO PLENUM:** SUFFIX: **CP**.

### SPECIFICATIONS

**PERFORMANCE:** Luminaire distribution is to be a minimum of 97.5% in the 0°-60° zone. In an installation of 1 lamp 32W luminaires in a room cavity ratio of 1, reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .80 with a spacing to mounting ratio of 1.5 perpendicular to the lamps. To meet IES RP1 recommended (basic) requirements for VDT areas the VCP (visual comfort probability) shall not be less than 90 either crosswise or lengthwise, and the maximum

### SPECIFICATIONS (continued)

average brightness at 65°, 75° and 85° shall not exceed 334, 109 and 121 candela's per square meter respectively in the 0°, 45° and 90° horizontal planes.

**AIR HANDLING:** (STA only) side air passages for air supply or air return.

Optional side closure strips. Air return is also provided through the lamp compartment through fixture body ends.

**MATERIALS:** **Chassis parts** are die-formed embossed cold rolled steel.

**Housing** is embossed for rigidity with all edges turned-in for safe handling.

**LOUVER:** Pre-anodized aluminum (Coilzak® or equal).

**FINISH:** **Louver**—semi-specular low iridescence pre-anodized reflector sheet.

**Reflector**—95% reflective specular. Phosphate undercoating.

**Chassis exterior**—black baked polyester enamel.

**ELECTRICAL:** Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

**LABELS:** I.B.E.W./UL and C-U.L.

Job Information	Type:
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**Lightolier** a Genlyte Thomas Company [www.lightolier.com](http://www.lightolier.com)

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